OIL ANALYSIS REPORT

VOLVO PENTA 2004029187 - STARBOARD DIESEL ENGINE MATIC MATIC

Sample No:

VPA058292

Oil Type: {unknown}

SAMPLE INFORMATION

| Sample Number | | VPA058292 | | |
|----------------|-----|-------------|------|--|
| Sample Date | | 03 Mar 2024 | | |
| Machine Hours | | 0 | | |
| Oil Hours | | 0 | | |
| Oil Changed | | N/A | | |
| Sample Status | | NORMAL | | |
| | | | | |
| OIL CONDITION | | | | |
| Visc @ 100°C | cSt | 13.27 | | |
| Oxidation (PA) | % | 60 | | |
| | | | | |
| CONTAMINATION | | | | |
| Water | % | NEG | | |
| Soot % | % | | | |
| | | 0.1 | | |
| Nitration (PA) | % | 52 | | |
| Sulfation (PA) | % | 52 | | |
| Glycol | % | NEG | | |
| Fuel | % | <1.0 | | |
| Silicon | ppm | 3 | | |
| Sodium | ppm | ■<1 | | |
| Potassium | ppm | 0 | | |
| | | | | |

WEAR METALS

| Iron | ppm | 4 | | |
|------------|-----|--------------|------|--|
| Copper | ppm | 7 | | |
| Lead | ppm | 3 | | |
| Tin | ppm | | | |
| Aluminum | ppm | 4 | | |
| Chromium | ppm | <1 | | |
| Molybdenum | ppm | 57 | | |
| Nickel | ppm | 1 | | |
| Titanium | ppm | 0 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | <1 | | |
| Vanadium | ppm | <1 | | |

ADDITIVES

| Calcium | ppm | 1022 | | |
|------------|-----|-------------|------|--|
| Magnesium | ppm | 976 | | |
| Zinc | ppm | 1363 | | |
| Phosphorus | ppm | 1159 | | |
| Barium | ppm | 0 | | |
| Boron | ppm | 6 | | |

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Diagnosis

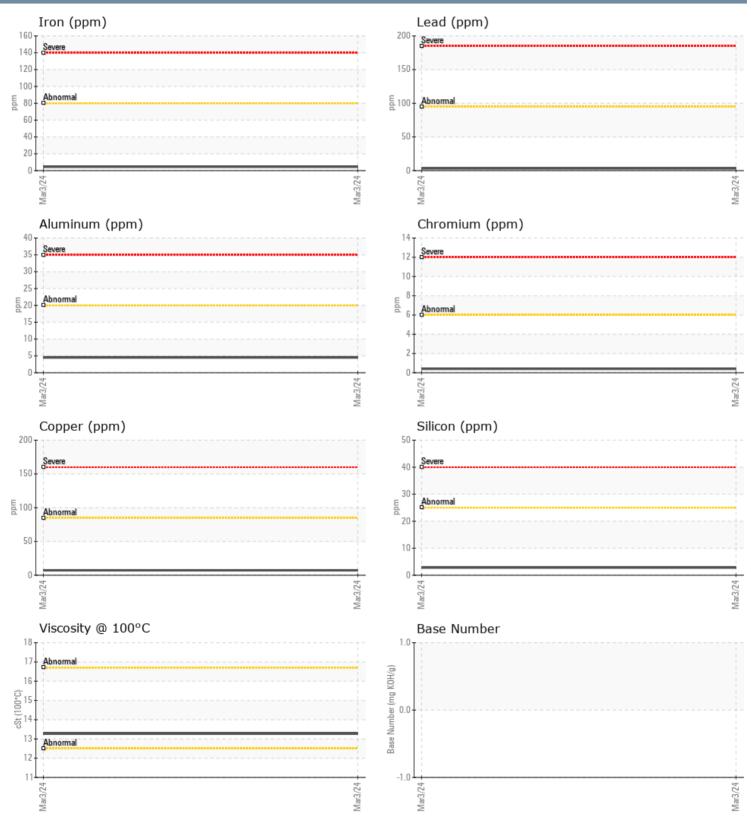
No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP867279 Unique No: 10911409 Signed: Doug Bogart Report Date: 04 Mar 2024

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP867279 [WUSCAR] 06107912 (Generated: 03/08/2024 07:52:17) Rev: 1

Contact/Location: TARAH AULD - VP867279